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Tuesday, June 03, 2003 9:21 AM

Percent Identity

Divergence

	1	2	
1		24.5	1
2	135.6		2
	1	2	

OP1

BMP2

Tuesday, June 03, 2003 9:21 AM

	<u>MHVRSLRAAGTHSLVALIAPLVLLGGAAGLVSEILGNEVHAAAI SGRLSSQESDEVLSEFELRLLSILGLK</u>	
	10 20 30 40 50 60 70	
OP1	MHVRSLRAAAPHSFVALWAPLFTLRSALADFS-LDNEVHSSFIHRRRLRSQERREMQRE----ILSILGLF	65
BMP2	M-----VAGTRCLLALLLPQVLLGGAAGLVPELGRRKFAAASSGRPSSQPSDEVLSEFELRLLSMFGLK	64
	<u>QRPTPHLOGKDAVAPMFMLDLYNAHAGEEGCGAGGGLSRAVKAVFASQNTVASLQDSESLTDADMVMS</u>	
	80 90 100 110 120 130 140	
OP1	HRPRPHLOGKHNSAPMFMLDLYNAMAVEEGGGPGGQGFSSYPYKAVFSTQGPPLASLQDSHFLTDADMVMS	135
BMP2	QRPTP---SRDAVPPPYMLDLYRRHSGQFGSPAPDHLRLERA-----ASRANTVRSFHHEESLEE-----	121
	<u>FVNLVETSGEFFHPRYTTREFRFDLSSIPTGEAVTAAELOVFKDOIODALGNSSFHHRISVYEVLOEAI</u>	
	150 160 170 180 190 200 210	
OP1	FVNLVEHDKEFFHPRYHREFRFDLSKIPEGEAVTAAEFRIYKDYIRERFDNET-F--RISVYQVLQEH	202
BMP2	---LPETSGK-----TTRRFFFNLSIPTTEEFITSAELOVFREQMDALGNSSFHHRINTIYEIIKIPAT	181
	<u>GNSSDLFPVTRLDSRLVNASASGWLVEFDVTAAVNHWVANGHANLGLVVSVAITLDGQSGVSKLAGLIGRS</u>	
	220 230 240 250 260 270 280	
OP1	GRESDLF----LLDSRTLWASEEGWLVEFDITATSNHWVNPRHNLGLQLSVETLDGQSINPKLAGLIGRH	268
BMP2	ANSK--FPVTRLDTRLVNQNASRWESFDVTPAVMRWTAQGHANHGFWVEVAHLEEKQGVSKRHVIRIRS	245
	<u>GHODEQSFSVAFIKALLVTFGSIGSGGSLQSENRSATHKNOEALKMANVAENSSSDORSACKKHELYVS</u>	
	290 300 310 320 330 340 350	
OP1	GPQNKQPFMVAFFKATEVHFRSIRSTGSKQRSQNRSKIPKNOEALMANVAENSSSDQRQACKKHELYVS	338
BMP2	LHQDEHSWSQ--IRPLLVTFGHDGKGHPLHKREKRAKHQKRLK-----SSCKRHPLYVL	304
	<u>FSDVGNDWIVAPEGYAIFYCEGECAFLASHLNATNHAIVQTLVNSVNSEIVPKACCAPTELSAISVLY</u>	
	360 370 380 390 400 410 420	
OP1	FRDLGWQDWILAPEGYAIFYCEGECAFLNSYMNATNHAIVQTLVHFINPEIVPKPCCAPTQLNAISVLY	408
BMP2	FSDVGNDWIVAPPGYHAFYCHGECPPFLADHLNSTNHAIVQTLVNSVNSK-IPKACCVPTELSAISMLY	373
	<u>LDSSNVVLKNYQDMVEGCGCH</u>	
	430 440	
OP1	FDDSSNVILKKYRNMVVRACGCH	431
BMP2	LDENEKVVVLKNYQDMVEGCGCR	396